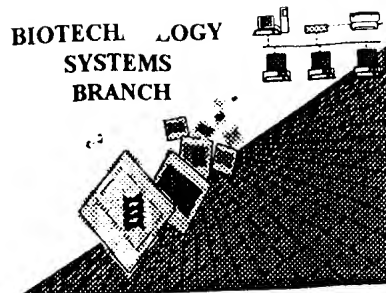


2400

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/396,196E

Source: OIP/E

Date Processed by STIC: 6/5/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/396,196E

DATE: 06/05/2001

TIME: 13:46:08

Input Set : F:\Seqlist.txt

Output Set: C:\CRF3\06052001\I396196E.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Michael Mittman
 5 David Mack
 6 David Lockhart
 7 Affymetrix, Inc.
 9 <120> TITLE OF INVENTION: Methods of Genetic Analysis
 12 <130> FILE REFERENCE: 3101.1
 14 <140> CURRENT APPLICATION NUMBER: US 09/396,196E
 C--> 15 <141> CURRENT FILING DATE: 2001-05-22
 17 <160> NUMBER OF SEQ ID NOS: 127811
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 25
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Mus musculus
 26 <400> SEQUENCE: 1 25
 27 gacattgtcg caagtcacag aatta
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 15
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Mus musculus
 34 <400> SEQUENCE: 2 25
 35 attgtcgcaa gtacacagaat tattt
 37 <210> SEQ ID NO: 3
 38 <211> LENGTH: 25
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Mus musculus
 42 <400> SEQUENCE: 3 25
 43 gttgctggat ctgctgtttg aagcg
 45 <210> SEQ ID NO: 4
 46 <211> LENGTH: 25
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Mus musculus
 50 <400> SEQUENCE: 4 25
 51 ggatctgctg tttgaagcgc agcag
 53 <210> SEQ ID NO: 5
 54 <211> LENGTH: 25
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Mus musculus
 58 <400> SEQUENCE: 5 25
 59 ggcgcagcagg tgcacgcgcc gcatt
 61 <210> SEQ ID NO: 6
 62 <211> LENGTH: 25
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Mus musculus
 66 <400> SEQUENCE: 6 25
 67 gcaggtgcac cgcacgcatt tcgat
 69 <210> SEQ ID NO: 7

RAW SEQUENCE LISTING

DATE: 06/05/2001

PATENT APPLICATION: US/09/396,196E

TIME: 13:46:08

Input Set : F:\Seqlist.txt

Output Set: C:\CRF3\06052001\I396196E.raw

```

70 <211> LENGTH: 25
71 <212> TYPE: DNA
72 <213> ORGANISM: Mus musculus
74 <400> SEQUENCE: 7
75 gcatcgccag catcgatc ctctgt 25
77 <210> SEQ ID NO: 8
78 <211> LENGTH: 25
79 <212> TYPE: DNA
80 <213> ORGANISM: Mus musculus
82 <400> SEQUENCE: 25
83 gcatctcgat cctggcagg tgcag
85 <210> SEQ ID NO: 9
86 <211> LENGTH: 25
87 <212> TYPE: DNA
88 <213> ORGANISM: Mus musculus
90 <400> SEQUENCE: 25
91 ccatctctgt cagg'gcagg tcagg
93 <210> SEQ ID NO: 10
94 <211> LENGTH: 25
95 <212> TYPE: DNA
96 <213> ORGANISM: Mus musculus
98 <400> SEQUENCE: 10
99 tcttcagggtg cagatcagca cgttg 25
101 <210> SEQ ID NO: 11
102 <211> LENGTH: 25
103 <212> TYPE: DNA
104 <213> ORGANISM: Mus musculus
106 <400> SEQUENCE: 11
107 gcaggtcagc aggttgctgt cgatt 25
109 <210> SEQ ID NO: 12
110 <211> LENGTH: 25
111 <212> TYPE: DNA
112 <213> ORGANISM: Mus musculus
114 <400> SEQUENCE: 12
115 cagcacgttg cgttcgatta agacc 25
117 <210> SEQ ID NO: 13
118 <211> LENGTH: 25
119 <212> TYPE: DNA
120 <213> ORGANISM: Mus musculus
122 <400> SEQUENCE: 13
123 gctgtcgatt aagaccggag cttgt 25
125 <210> SEQ ID NO: 14
126 <211> LENGTH: 25
127 <212> TYPE: DNA
128 <213> ORGANISM: Mus musculus
130 <400> SEQUENCE: 14
131 agcttgctcg gaagattgca aatac 25
133 <210> SEQ ID NO: 15
134 <211> LENGTH: 25

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/396,196E

DATE: 06/05/2001
 TIME: 13:46:08

Input Set : F:\Seqlist.txt
 Output Set: C:\CRF3\06052001\I396196E.raw

```

135 <212> TYPE: DNA
136 <213> ORGANISM: Mus musculus
138 <400> SEQUENCE: 15 25
139 ggtttgaaa ttttccgcgc aaaacg
141 <210> SEQ ID NO: 16
142 <211> LENGTH: 17
143 <212> TYPE: DNA
144 <213> ORGANISM: Mus musculus
146 <400> SEQUENCE: 16 25
147 caataactgc ccttaacgt cgcgc
149 <210> SEQ ID NO: 17
150 <211> LENGTH: 17
151 <212> TYPE: DNA
152 <213> ORGANISM: Mus musculus
154 <400> SEQUENCE: 17 25
155 tgaacaggtg ctgaggtgg cgcgc
157 <210> SEQ ID NO: 18
158 <211> LENGTH: 17
159 <212> TYPE: DNA
160 <213> ORGANISM: Mus musculus
162 <400> SEQUENCE: 18 25
163 ggagtcggcg cgttaagcga aagcg
165 <210> SEQ ID NO: 19
166 <211> LENGTH: 15
167 <212> TYPE: DNA
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 19 25
171 caaagcgaaa ggcgaagat cgacg
173 <210> SEQ ID NO: 20
174 <211> LENGTH: 25
175 <212> TYPE: DNA
176 <213> ORGANISM: Mus musculus
178 <400> SEQUENCE: 20 25
179 ggcaggatcg aagagcttct gtatg
181 <210> SEQ ID NO: 21
182 <211> LENGTH: 25
183 <212> TYPE: DNA
184 <213> ORGANISM: Mus musculus
186 <400> SEQUENCE: 21 25
187 gccggagttt taaggcaata tcatc
189 <210> SEQ ID NO: 22
190 <211> LENGTH: 25
191 <212> TYPE: DNA
192 <213> ORGANISM: Mus musculus
194 <400> SEQUENCE: 22 25
195 gttttaaggc aatataatca ccaca
197 <210> SEQ ID NO: 23
198 <211> LENGTH: 15
199 <212> TYPE: DNA

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/396,196E

DATE: 06/05/2001

TIME: 13:46:08

Input Set : F:\Seqlist.txt

Output Set: C:\CRF3\06052001\I396196E.raw

```

200 <213> ORGANISM: Mus musculus
202 <400> SEQUENCE: 23
203 gcaatatact ccttgaagc actta 25
205 <210> SEQ ID NO: 14
206 <211> LENGTH: 15
207 <212> TYPE: DNA
208 <213> ORGANISM: Mus musculus
210 <400> SEQUENCE: 24
211 atcaccacac cctttttca ggaac 25
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 15
215 <212> TYPE: DNA
216 <213> ORGANISM: Mus musculus
218 <400> SEQUENCE: 25
219 aagcaacttat ctggaagcc tcgat 25
221 <210> SEQ ID NO: 16
222 <211> LENGTH: 15
223 <212> TYPE: DNA
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 26
227 atacgctgga aagaagtggc gatgc 25
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 15
231 <212> TYPE: DNA
232 <213> ORGANISM: Mus musculus
234 <400> SEQUENCE: 27
235 ggaaaaaagt ggaatgccg ggatc 25
237 <210> SEQ ID NO: 18
238 <211> LENGTH: 15
239 <212> TYPE: DNA
240 <213> ORGANISM: Mus musculus
242 <400> SEQUENCE: 28
243 agtgcgcgat gccgggatca aagtc 25
245 <210> SEQ ID NO: 19
246 <211> LENGTH: 15
247 <212> TYPE: DNA
248 <213> ORGANISM: Mus musculus
250 <400> SEQUENCE: 29
251 gccgggatca aattctgttc tggcg 25
253 <210> SEQ ID NO: 30
254 <211> LENGTH: 15
255 <212> TYPE: DNA
256 <213> ORGANISM: Mus musculus
258 <400> SEQUENCE: 30
259 aagtctgttc tgcggcatt gtggg 25
261 <210> SEQ ID NO: 31
262 <211> LENGTH: 15
263 <212> TYPE: DNA
264 <213> ORGANISM: Mus musculus

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/396,196E

DATE: 06/05/2001

TIME: 13:46:08

Input Set : F:\Seqlist.txt

Output Set: C:\CRF3\06052001\I396196E.raw

```

266 <400> SEQUENCE: 31
267 agatggcct cctttattg ctgca 25
269 <210> SEQ ID NO: 32
270 <211> LENGTH: 25
271 <212> TYPE: DNA
272 <213> ORGANISM: Mus musculus
274 <400> SEQUENCE: 32
275 gccggattat tctggaaact ggcaa 25
277 <210> SEQ ID NO: 33
278 <211> LENGTH: 25
279 <212> TYPE: DNA
280 <213> ORGANISM: Mus musculus
282 <400> SEQUENCE: 33
283 atttgtgcaa ctggcaaac tggcg 25
285 <210> SEQ ID NO: 34
286 <211> LENGTH: 25
287 <212> TYPE: DNA
288 <213> ORGANISM: Mus musculus
290 <400> SEQUENCE: 34
291 cgcgggaaag cgttccaatc aacat 25
293 <210> SEQ ID NO: 35
294 <211> LENGTH: 25
295 <212> TYPE: DNA
296 <213> ORGANISM: Mus musculus
298 <400> SEQUENCE: 35
299 aagcgtgcca atcaacatgc tggtg 25
301 <210> SEQ ID NO: 36
302 <211> LENGTH: 25
303 <212> TYPE: DNA
304 <213> ORGANISM: Mus musculus
306 <400> SEQUENCE: 36
307 caatcaacat gctggtgaag gtgaa 25
309 <210> SEQ ID NO: 37
310 <211> LENGTH: 25
311 <212> TYPE: DNA
312 <213> ORGANISM: Mus musculus
314 <400> SEQUENCE: 37
315 tgggtgaagg gaaaggacg ccgct 25
317 <210> SEQ ID NO: 38
318 <211> LENGTH: 25
319 <212> TYPE: DNA
320 <213> ORGANISM: Mus musculus
322 <400> SEQUENCE: 38
323 accgcgcttg cgtataacga tgatg 25
325 <210> SEQ ID NO: 39
326 <211> LENGTH: 25
327 <212> TYPE: DNA
328 <213> ORGANISM: Mus musculus
330 <400> SEQUENCE: 39

```

<210> 181
<211> 25
<212> DNA
<213> Mus musculus

<300>
<308> L38424
<309> *this numeric identifier and response are MANDATORY*
<400> 181
tggcagaacg aacaccacat ttgga

25
whereby
<308>
has a
response

<210> 182
<211> 25
<212> DNA
<213> Mus musculus

<300>
<308> L38424 *← same error*

<400> 182
tatctgatgt gatgcctgtt gagtc

25

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

also, please ensure all sequences throughout the Sequence Listing have a <213> numeric identifier and response. VERY IMPORTANT

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/396,196E

DATE: 06/05/2001
TIME: 13:46:09

Input Set : F:\Seqlist.txt
Output Set: C:\CRF3\06052001\I396196E.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1469 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:181
L:1480 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:182
L:1491 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:183
L:1502 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:184
L:1513 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:185
L:1524 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:186
L:1535 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:187
L:1546 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:188
L:1557 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:189
L:1568 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:190
L:1579 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:191
L:1590 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:192
L:1601 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:193
L:1612 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:194
L:1623 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:195
L:1634 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:196
L:1645 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:197
L:1656 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:198
L:1667 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:199
L:1678 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:200
L:1689 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:201
L:1700 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:202
L:1711 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:203
L:1722 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:204
L:1733 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:205
L:1744 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:206
L:1755 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:207
L:1766 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:208
L:1777 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:209
L:1788 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:210
L:1799 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:211
L:1810 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:212
L:1821 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:213
L:1832 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:214
L:1843 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:215
L:1854 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:216
L:1865 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:217
L:1876 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:218
L:1887 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:219
L:1898 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:220
L:1909 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:221
L:1920 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:222
L:1931 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:223
L:1942 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:224
L:1953 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:225
L:1964 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:226
L:1975 M:256 W: Invalid Numeric Header Field, Identifier <256> Expected, SEQ:227

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/396,196E

DATE: 06/05/2001

TIME: 13:46:09

Input Set : F:\Seqlist.txt

Output Set: C:\CRF3\06052001\I396196E.raw

L:1986 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:228
L:1997 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:229
L:2008 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:230
L:355902 M:201 W: Mandatory field data missing, <213> ORGANISM
L:355910 M:201 W: Mandatory field data missing, <213> ORGANISM
L:355918 M:201 W: Mandatory field data missing, <213> ORGANISM
L:355926 M:201 W: Mandatory field data missing, <213> ORGANISM
L:703636 M:201 W: Mandatory field data missing, <213> ORGANISM
L:703644 M:201 W: Mandatory field data missing, <213> ORGANISM
L:703652 M:201 W: Mandatory field data missing, <213> ORGANISM